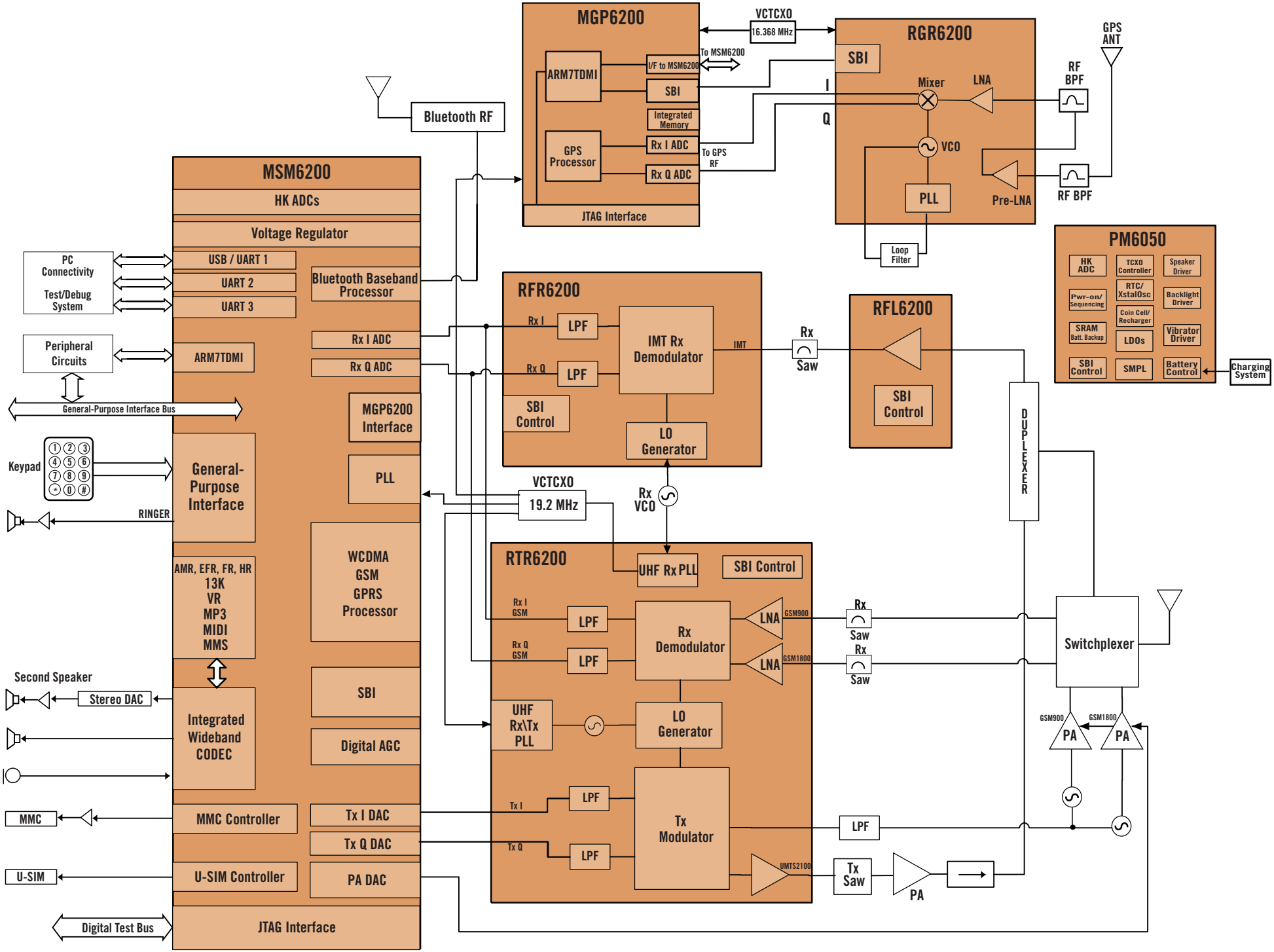
MGP6200
VCTCXO
16.368 MHz
To MSM6200
ARM7TDMI
I/F to MSM6200
SBI
Integrated Memory
GPS Processor
Rx I ADC
Rx Q ADC
To GPS RF
JTAG Interface
RGR6200
SBI
I
Q
Mixer
LNA
VCO
PLL
Pre-LNA
Loop Filter
RF BPF
RF BPF
GPS ANT
Bluetooth RF
MSM6200
HK ADCs
Voltage Regulator
PC Connectivity
Test/Debug System
USB / UART 1
UART 2
UART 3
Bluetooth Baseband Processor
Peripheral Circuits
ARM7TDMI
Rx I ADC
Rx Q ADC
General-Purpose Interface Bus
MGP6200 Interface
Keypad
General-Purpose Interface
PLL
RINGER
VCTCXO
19.2 MHz
AMR, EFR, FR, HR
13K
VR
MP3
MIDI
MMS
WCDMA
GSM
GPRS
Processor
Second Speaker
Stereo DAC
Integrated Wideband CODEC
SBI
Digital AGC
MMC
MMC Controller
Tx I DAC
Tx Q DAC
U-SIM
U-SIM Controller
PA DAC
Digital Test Bus
JTAG Interface
RFR6200
Rx I
Rx Q
LPF
LPF
IMT Rx Demodulator
IMT
SBI Control
LO Generator
Rx
Saw
RFL6200
SBI Control
Rx VCO
RTR6200
UHF Rx PLL
SBI Control
Rx I GSM
Rx Q GSM
LPF
LPF
Rx Demodulator
LNA
LNA
GSM900
GSM1800
Rx
Saw
Rx
Saw
UHF Rx\Tx PLL
LO Generator
Tx I
Tx Q
LPF
LPF
Tx Modulator
LPF
UMTS2100
Tx Saw
PA
DUPLEXER
PM6050
HK ADC
TCXO Controller
Speaker Driver
Pwr-on/ Sequencing
RTC/ XstalOsc
Backlight Driver
Coin Cell/ Recharger
SRAM Batt. Backup
LDOs
Vibrator Driver
SBI Control
SMPL
Battery Control
Charging System
Switchplexer
GSM900
GSM1800
PA
PA